



BEST AVAILABLE COPY

Page 1 of 10
Appl. No.: 10/808,041
Amendment in Reply to Office Action of April 25, 2006
Replacement Sheet

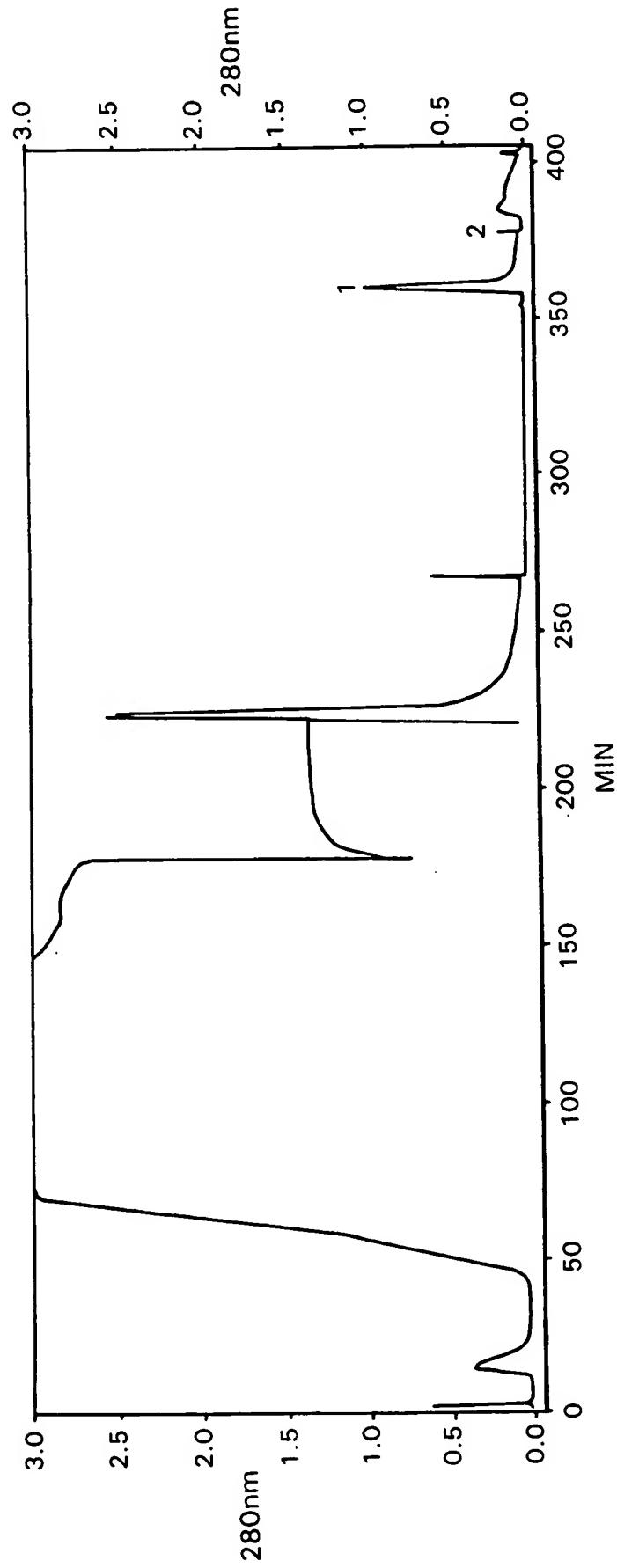


FIG. 1A

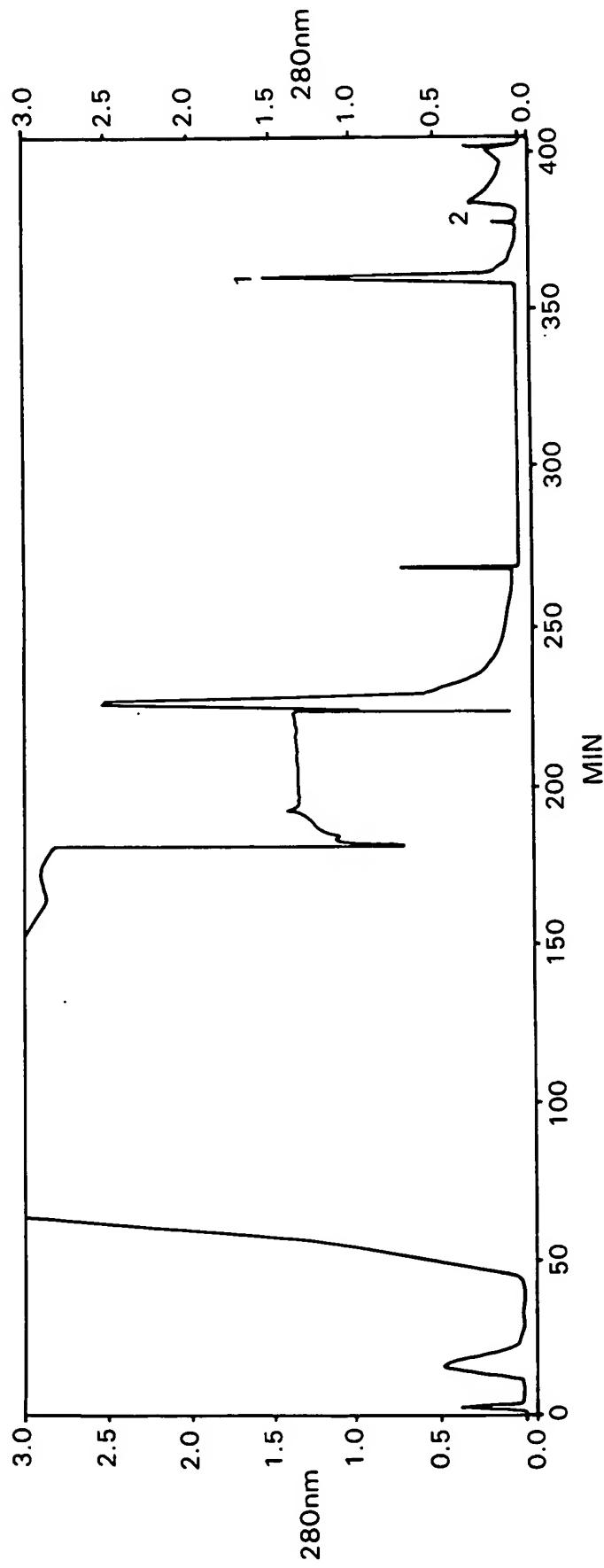


FIG. 1B

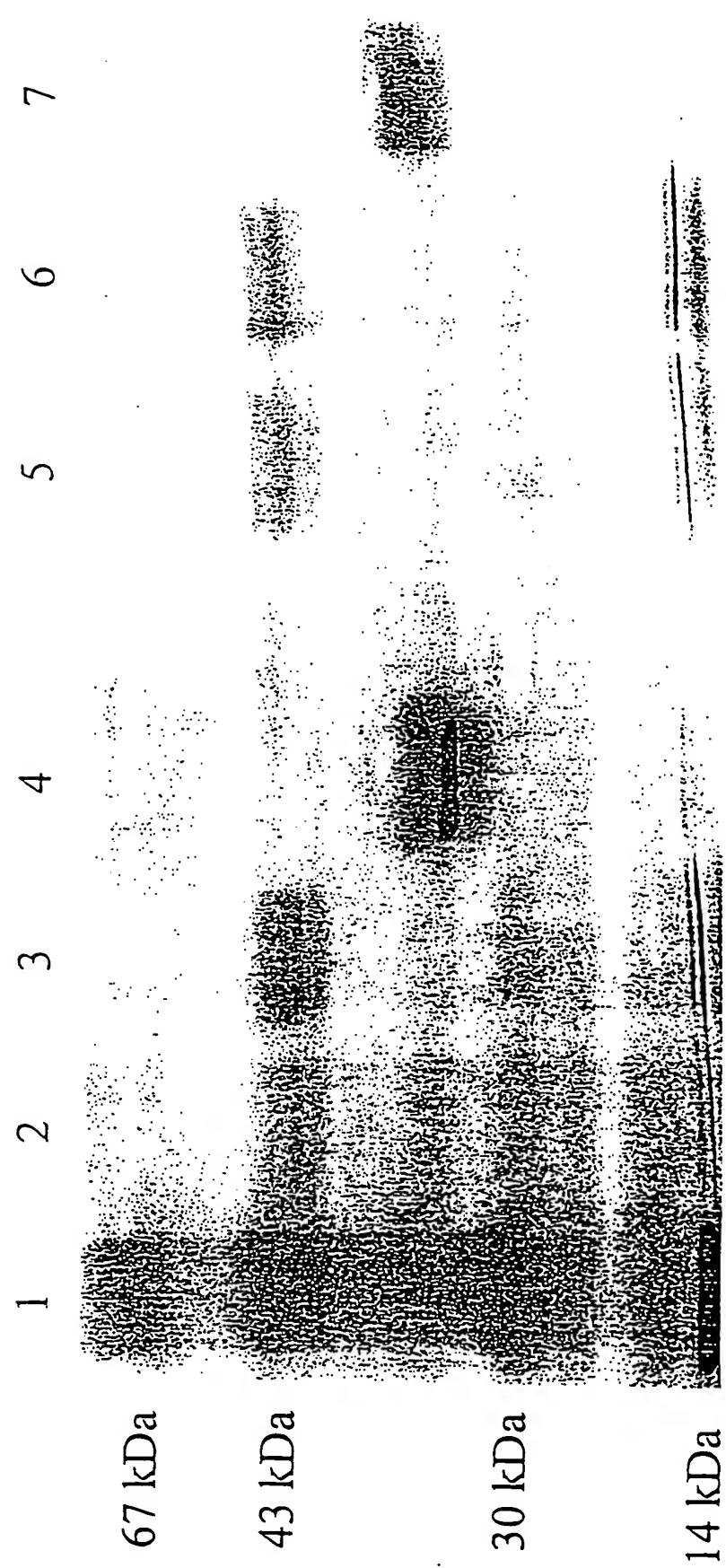


FIG. 2

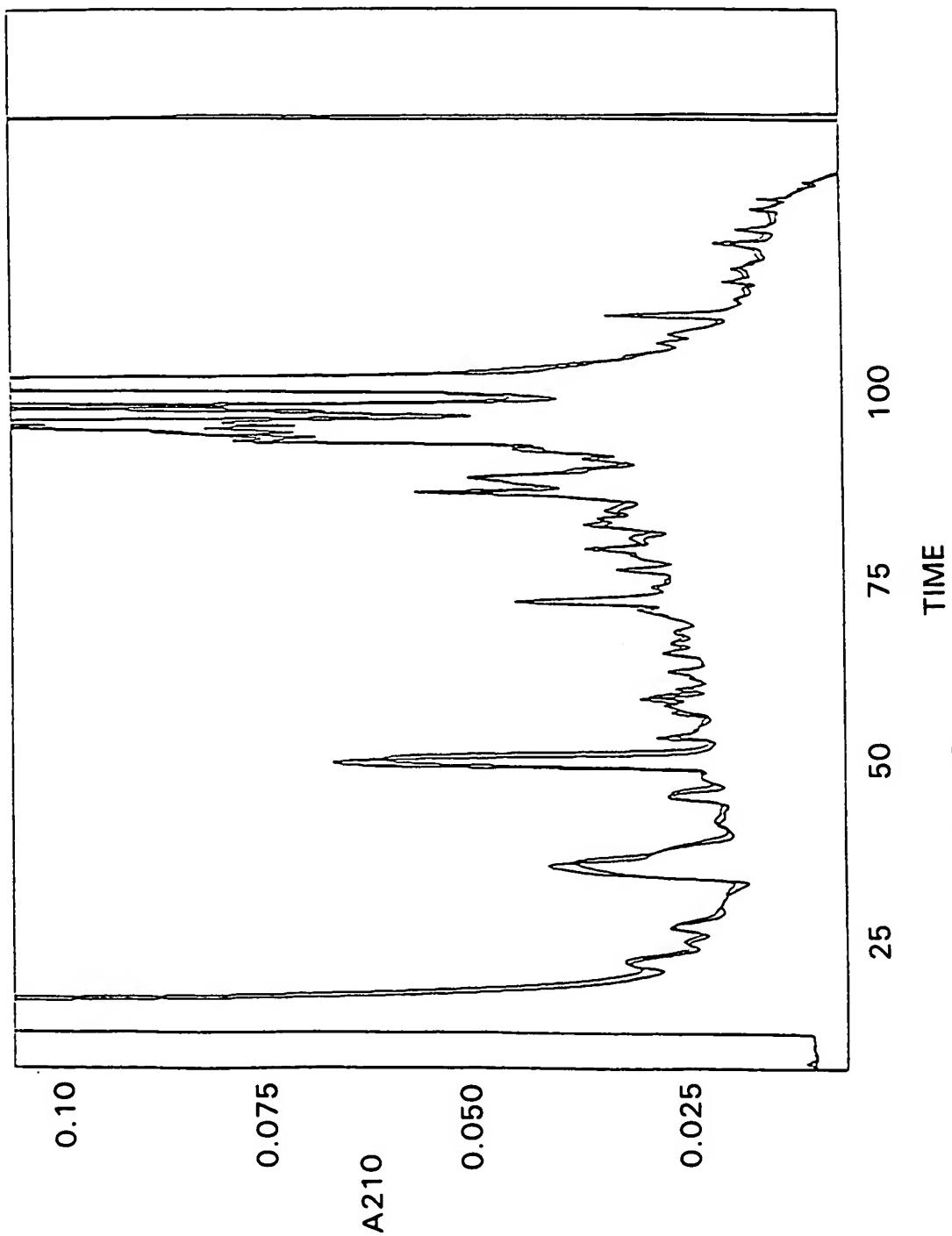


FIG. 3

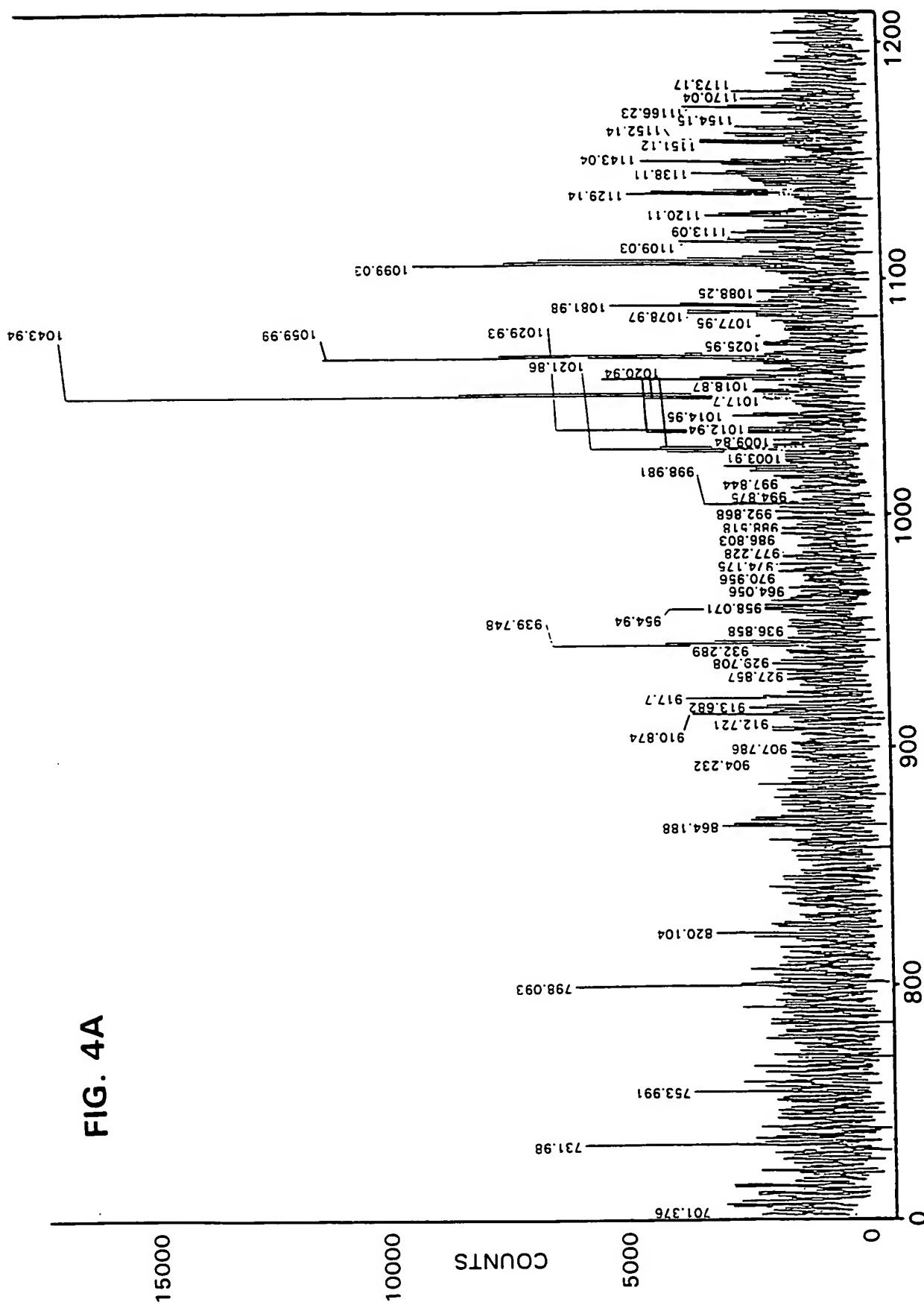
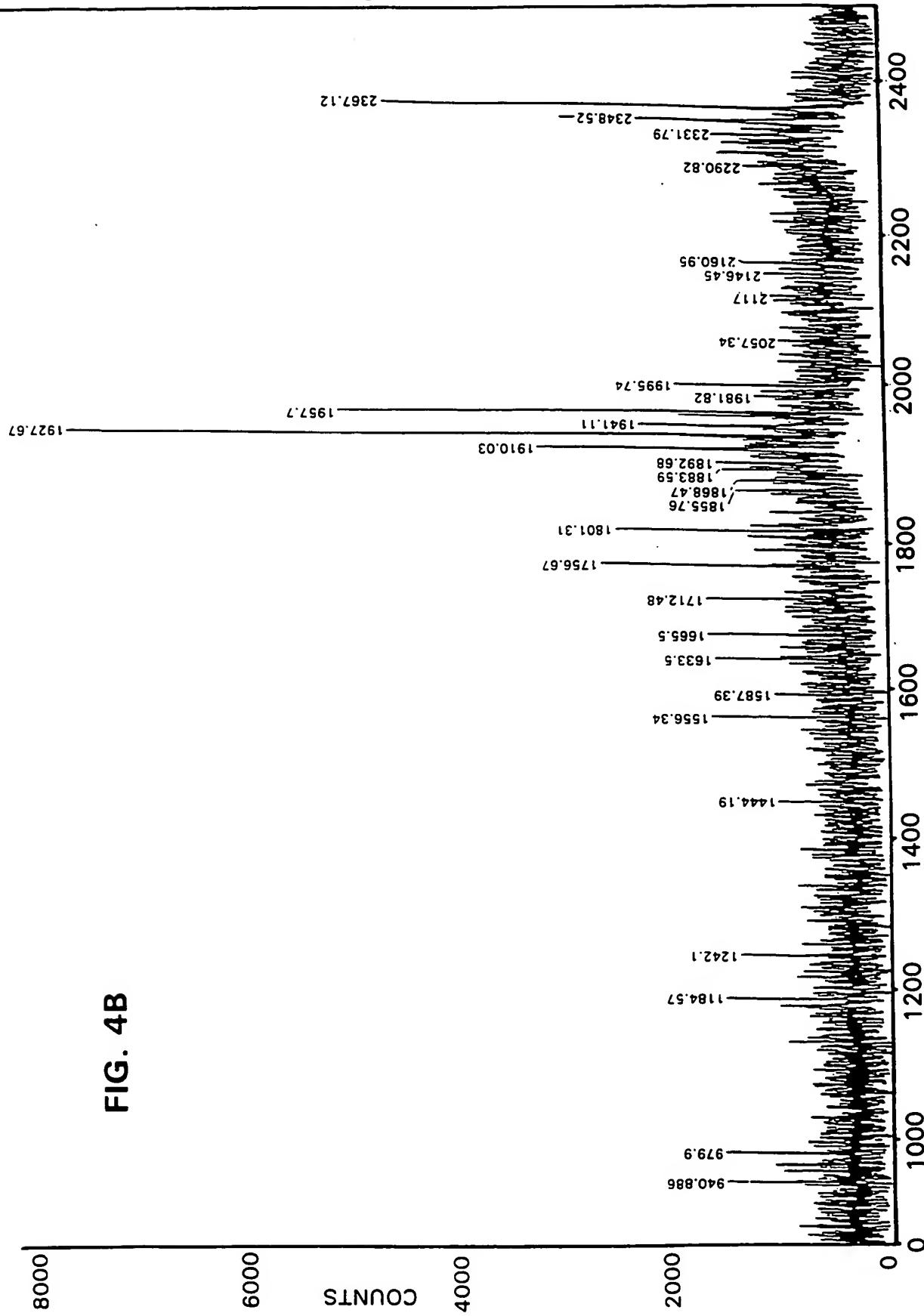
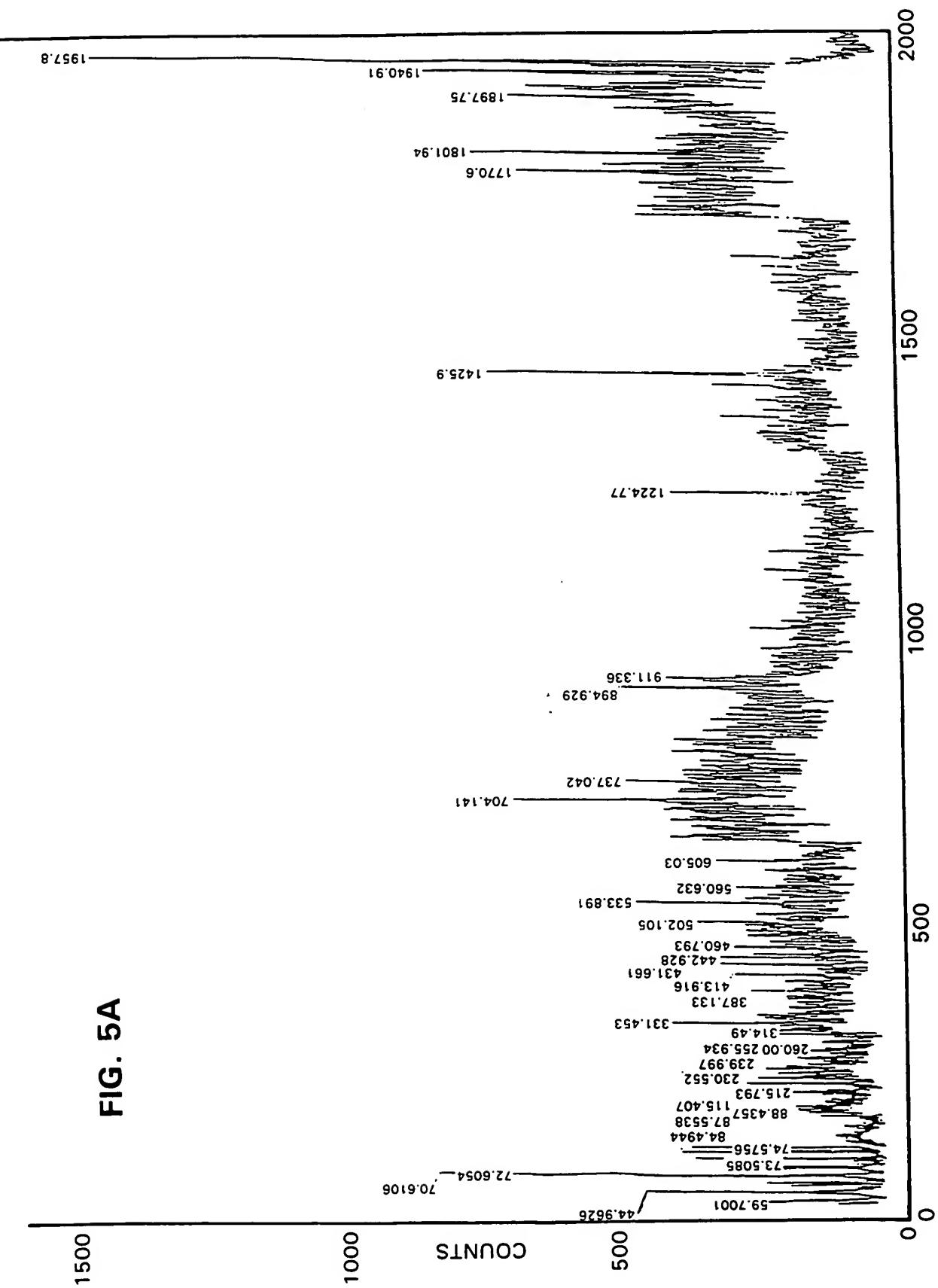


FIG. 4A





Sample ID (comment): R4A3F37m1957
 Database searched: NCBI nr 7.5.97
 Molecular weight search (1000-100000 Da) selects 269572 entries.
 Species search (HOMO SAPIENS) selects 2271 entries.
 Combined molecular weight and species searches select 20933 entries.
 Number of sequences passing through parent mass filter: 84015
 Ion Types Considered: a b B y n h l

Rank	MS-Digest Index#	NCBI nr Accession#	Protein MW (Da)	Species	Calculated MH+ (Da)	MH+ Error (Da)	Sequence	# Unmatched Ions	Protein Name
1	240839	1839795	21251.4	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(D82930) HLA-A26-varient
1	152874	915219	40679.8	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(U25971) MHC class 1 antigen HLA-A2407
1	141923	825673	20921.2	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(X82161) HLA-A alpha1 and alpha2 domains
1	159176	994765	41113.1	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(D32129) HLA-A26
1	282322	250934	38703.4	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(Z97370) human leukocyte antigen
1	133479	717123	40895.1	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(U18930)MHC class 1 antigen HLA-A2
1	49436	785055	38355.8	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(M160010) HLA-AH class 1 antigen (AA at 30)
1	277806	2394324	10423.4	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(AF017310) MHC class 1 antigen
1	277805	2394322	10430.3	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(AF017309) MHC class 1 antigen
1	277713	2394009	21027.3	HOMO SAPIENS	1956.9052	0.2948	(Y)VDDTQFVRFDSDAAASQR(M)	2	(AF012767) MHC class 1 antigen HLA-A heavy chain

FIG. 5B

Amendment in Reply to Office Action of April 25, 2006
Replacement Sheet

qb/R12066/R12066 yf54d10.r1 Homo sapiens cDNA clone 26062 5' similar to
gb/X00492_cds_1 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-3A*0301;
 alpha (human);
 Length = 405

Plus Strand HSPs:

Score = 90 (41.9 bits), Expect = 8.1e-05, P=9.1e-05
 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +2

Query: 1 VDDTQFVRFDSDAASQRM 18
 Sbjct: 158 VDDTQFVRFDSDAASQRM 211
qb/AA132653/AA132653_r021a05.r1 Stratagene colon (#937204) Homo sapiens
 cDNA clone 567504 5' similar to qb:z46633 HLA CLASS I
 HISTOCOMPATIBILITY ANTIGEN, A-2 A* 0201 ALPHA (HUMAN);
 Length = 428

Plus Strand HSPs:

Score = 90 (41.9 bits), Expect = 8.1e-05, P=8.1e-05
 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +3

Query: 1 VDDTQFVRFDSDAASQRM 18
 Sbjct: 158 VDDTQFVRFDSDAASQRM 203
qb/R59761/R59761_yh07c05.r1 Homo sapiens cDNA clone 42563 5' similar to
gb/X00492_cds_1 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-3 A* 0301
 alpha (HUMAN);
 Length = 461

Plus Strand HSPs:

Score = 90 (41.9 bits), Expect = 8.1e-05, P = 8.1e-05
 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +1

Query: 1 VDDTQFVRFDSDAASQRM 18
 Sbjct: 138 VDDTQFVRFDSDAASQRM 210
qb/BA488534/AA488534_ab37f08.r1 Stratagene HeLa cell s3 937216 Homo
 sapiens cDNA clone 843015 5' similar to qb:106425 HLA CLASS I
 HISTOCOMPATIBILITY ANTIGEN, AW-34 (A-10) A*3402 ALPHA (HUMAN);
 Length = 478

Plus Strand HSPs:

Score = 90 (41.9 bits), Expect = 8.1e-05, P = 8.1e-05
 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +3

Query: 1 VDDTQFVRFDSDAASQRM 18
 Sbjct: 138 VDDTQFVRFDSDAASQRM 191

qb/AA548636/AA548636_nj_380d02.s1 NCI CGAP AAI Homo Sapiens cDNA clone
 IMAGE 994755 similar to qb:z46633 HLA CLASS I HISTOCOMPATIBILITY
 ANTIGEN, A-2 a*0201 ALPHA (HUMAN);
 Length = 539

Plus Strand HSPs:

Score = 30 (41.9 bits), Expect = 8.1e-05, P = 8.1e-05
 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +2

Query: 1 VDDTQFVRFDSDAASQRM 18
 Sbjct: 152 VDDTQFVRFDSDAASQRM 205
qb/AA147151/AA147151_z032d05.r1 Stratagene colon (#937204) Homo sapiens
 cDNA clone 5885875 similar to qb:MG740 HLA CLASS I
 HISTOCOMPATIBILITY ANTIGEN, A-24 (A-9) A*2402 ALPHA (HUMAN);
 Length = 581

Plus Strands HSPs:

Score = 90 (41.9 bits), Expect = 8.1e-05, P = 8.1e-05
 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +1

Query: 1 VDDTQFVRFDSDAASQRM 18
 Sbjct: 13 VDDTQFVRFDSDAASQRM 66

qb/H23377/H23377_ym57e02.r1 Homo sapiens cDNA clone 52227 5' similar to
 qb:x00492_cds1 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-3A A*0301
 alpha (HUMAN);
 Length = 459

Plus Strands HSPs:

Score = 90 (41.9 bits), Expect = 8.1e-05, P = 8.1e-05
 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +1

Query: 1 VDDTQFVRFDSDAASQRM 18
 Sbjct: 154 VDDTQFVRFDSDAASQRM 207

qb/R13904/R13904_yf62c03.r1 Homo sapiens cDNA clone 26801 5' similar to
 qb:m64742_cds1 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, A-23(A-9)
 A*2301 (HUMAN);
 Length = 459

Plus Strands HSPs:

Score 90 (41.9 bits), Expect = 8.1e-05 P=8.1e-05
 Identities = 18/18 (100%), Positives = 18/18 (100%), Frame = +2

Query: 1 VDDTQFVRFDSDAASQRM 18
 Sbjct: 146 VDDTQFVRFDSDAASQRM 199

FIG. 5C

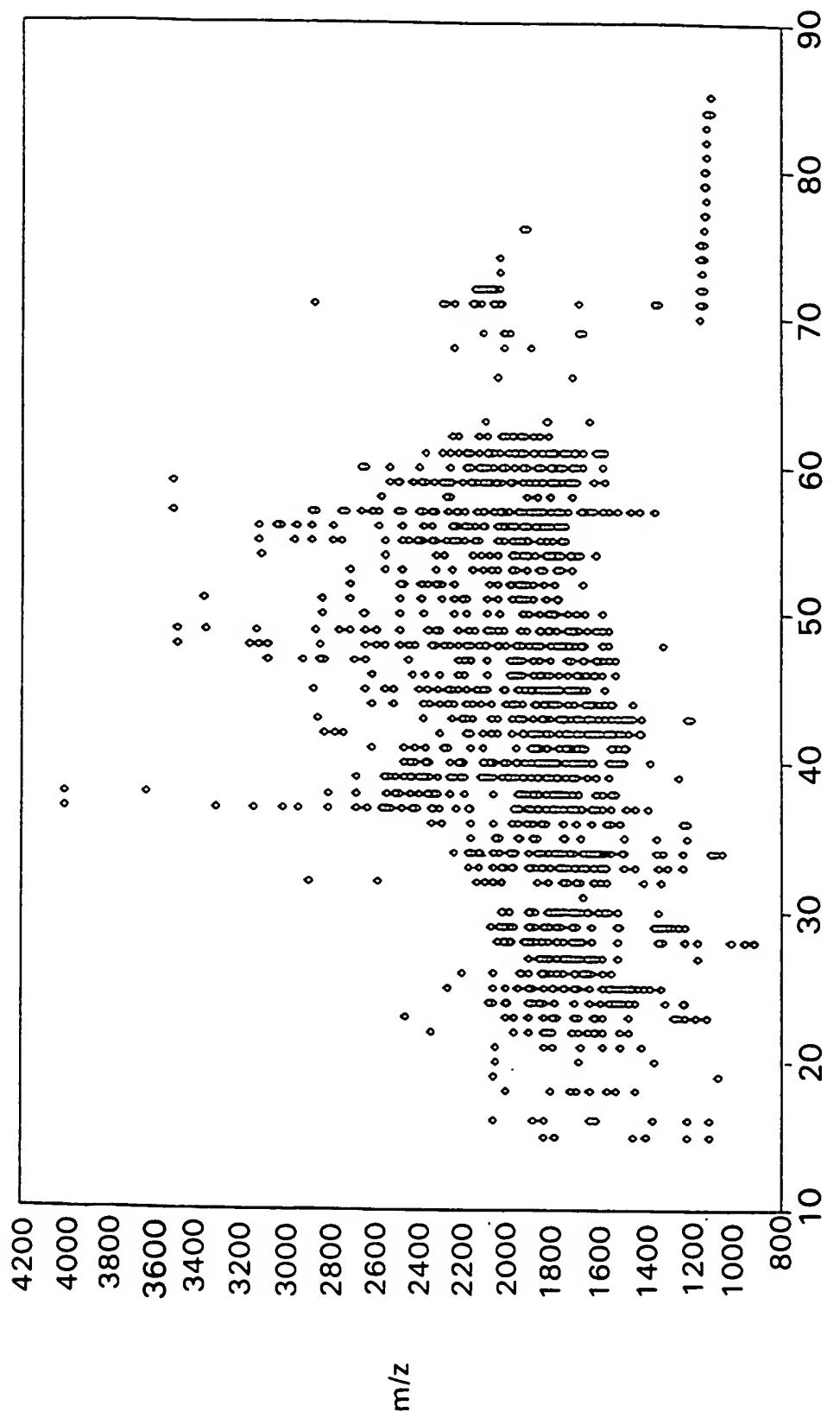


FIG. 6

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
 - COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.